

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application.

COMPLETE LISTING OF THE CLAIMS:

Claim 1-234 : (Canceled)

Claim 235 : (Currently Amended) A device for scanning a dataform, comprising:

a surface emitting laser diode for producing a laser beam;

a movable micromachined scanning mirror for scanning the laser beam across the dataform for reflection therefrom as return light;

a collecting optic for collecting the return light from the dataform; ~~and~~

a stationary detector for detecting the return light collected by the collecting optic; and

a substrate on which the laser diode, the scanning mirror and the stationary detector are commonly mounted to constitute a scan module.

Claim 236 : (Previously Presented) The device of claim 235, wherein the collecting optic collects the return light directly from the dataform.

Claim 237 : (Previously Presented) The device of claim 235, wherein the scanning mirror is constituted of silicon.

Claim 238 : (Previously Presented) The device of claim 235, wherein the scanning mirror is connected to a silicon substrate.

Claim 239 : (Previously Presented) The device of claim 235, wherein the scanning mirror is driven electrostatically.

Claim 240 : (Previously Presented) The device of claim 235, wherein the scanning mirror is suspended between a pair of torsional hinges.

Claim 241 : (Previously Presented) The device of claim 235, wherein the laser diode is a vertical cavity surface emitting laser.

Claim 242 : (Currently Amended) A device for scanning a dataform, comprising:

a housing;

a surface emitting laser diode in the housing for producing a laser beam;

a movable micromachined scanning mirror in the housing for scanning the laser beam across the dataform for reflection therefrom as return light;

a collecting optic in the housing for collecting the return light from the dataform; ~~and~~

a stationary detector in the housing for detecting the return light collected by the collecting optic; and

a substrate on which the laser diode, the scanning mirror and the stationary detector are commonly mounted as a scan module in the housing.

Claim 243 : (Previously Presented) The device of claim 242, wherein the collecting optic collects the return light directly from the dataform.

Claim 244 : (Previously Presented) The device of claim 242, wherein the scanning mirror is constituted of silicon.

Claim 245 : (Previously Presented) The device of claim 242, wherein the scanning mirror is connected to a silicon substrate.

Claim 246 : (Previously Presented) The device of claim 242, wherein the scanning mirror is driven electrostatically.

Claim 247 : (Previously Presented) The device of claim 242, wherein the scanning mirror is suspended between a pair of torsional hinges.

Claim 248 : (Previously Presented) The device of claim 242, and at least one of a keypad and a display on the housing.

Claim 249 : (Previously Presented) The device of claim 242, wherein the housing contains a portable electronic device.

Claim 250 : (Previously Presented) The device of claim 249, wherein the portable electronic device is a personal digital assistant.

Claim 251 : (Previously Presented) The device of claim 242, wherein the housing is embedded in an interface module.

Claim 252 : (Currently Amended) A method of reading a dataform, comprising the steps of:

presenting a device that outputs a laser beam from a surface emitting laser diode;

presenting an object with the dataform to the device;

aligning the dataform with the device so that the laser beam is incident on the dataform;

a movable ~~micromachine~~ micromachined scanning mirror for scanning the laser beam across the dataform for reflection therefrom as return light;

collecting the return light from the dataform with a collecting optic; **and**

detecting the return light collected by the collecting optic with a stationary detector; and

commonly mounting the laser diode, the scanning mirror and the stationary detector on a substrate to constitute a scan module in the device.

Claim 253 : (Previously Presented) The method of claim 252, and constituting the micromachined mirror from silicon.

Claim 254 : (Previously Presented) The method of claim 252, wherein the collecting step is performed by collecting the return light directly from the dataform.

Claim 255 : (Previously Presented) The method of claim 252, and electrostatically driving the micromachined mirror.

Claim 256 : (Previously Presented) The method of claim 252, and suspending the micromachined mirror between a pair of torsional hinges.

Claim 257 : (Previously Presented) The method of claim 252, and configuring the laser diode as a vertical cavity surface emitting laser.